SONY

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SOFTWARE INSTALLATION PROCEDURES FOR XDCAM

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Product: **PDBK-101, PDBK-102, PDBZ-E1500, PDW-1500, PDW-510, PDW-510P, PDW-530, PDW-530P, PDW-700, PDW-70MD, PDW-75MD, PDW-D1, PDW-F30, PDW-F330, PDW-F335, PDW-F350, PDW-F355, PDW-F70, PDW-F75, PDW-HD1500, PDW-R1, PDW-U1, PDW-V1, PDZ-1, PDZK-P1, PDZ-VX10, PMW-EX1, PMW-EX3, PMW-EX30, XDZ-P1**

Serial No: **All**

1 DESCRIPTION

This document describes how to upgrade the software for the XDCAM range of products.

Caution: For full compatibility, always ensure that the latest software versions are installed. These procedures should only be performed by a qualified service engineer.

Table 1: Summary

Section	Models	Description of Software	Upgrade Method
2.2	PDBK-101	NET	Ethernet
3.2	PDBK-102	Package (TSI-54 board)	Memory stick
4.2	PDBZ-E1500	Package	Ethernet
5.1	PDW-1500	Package	Ethernet
6.1	PDW-510/510P/530/530P	BOOT Program V1.10	MS-69 jig
6.2		AT (MAIN program)	Memory stick
6.3		Package	Memory stick *(from V1.450 and higher)*
6.4			Ethernet *(via CBK-NC01 Adapter)*
7.1	PDW-700	Package	USB stick
7.2			Ethernet
8.1	PDW-D1	PC Utility Program	PC software
8.2		MAC Utility Program	Mac software
8.3		Package	i.Link
9.1	PDW-F30/F70/70MD	Package	Memory stick
10.1	PDW-F75/75MD	Package	Memory stick
11.1	PDW-F330/F350	BOOT Program V1.54 + AT (MAIN Program)	MS-69A jig
11.2		AT + Package + FRESH	Memory stick
12.1	PDW-F335/F355	AT + Package + FRESH + COPRO + CLEAN	Memory stick
13.1	PDW-HD1500	Package	USB stick
13.2			Ethernet
14.1	PDW-R1	Package	Ethernet

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Section	Models	Software	Upgrade Method
15.1	PDW-U1	U1 Utility (Sony XDCAM Driver Software)	PC software
15.2		U1 Utility	Mac software
15.3		Firmware Package	USB cable
15.4		PDW Terminal Service Tool	PC software
16.1	PDW-V1	Package	Ethernet
17.1	PDZ-1	Proxy Browser + FAM Driver	PC software
18.1	PDZK-P1	XDCAM Transfer + FAM Driver	Mac software
19.1	PDZ-VX10	XDCAM Viewer	PC software
20.1	PMW-EX1/EX3/EX30	Binary Package Loader	PC software
20.2		Binary Package	USB cable
20.3		SxS PRO™ Device Driver	PC software
20.4			Mac software
21.1	XDZ-P1	XDCAM EX Clip Browser	PC software
21.2			Mac software

2 PDBK-101 : NETWORK BOARD

2.1 Applicable Models

The PDBK-101 Network Board can be installed in the following models:

- PDW-70MD
- PDW-75MD
- PDW-F30
- PDW-F70
- PDW-F75

2.2 NET Software

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Upgrade the software as described in Section 3-3 'Maintenance Menu' of the respective Service Manual:
   - PDW-F30/F70/70MD Service Manual, Volume 1, Edition 1, Revision 2 (part number 9-968-227-03)
   - PDW-F75/75MD Service Manual, Volume 1, Edition 1, Revision 1 (part number 9-968-379-02)
2. Confirm the software version as described in Section 3-2-3 'Software Version' of the Service Manual.

3 PDBK-102 : TS INPUT/OUTPUT BOARD

3.1 Applicable Models

The PDBK-102 TS Input/Output Board can be installed in the following models:

- PDW-70MD
- PDW-75MD
- PDW-F30
- PDW-F70
- PDW-F75

3.2 Package Software (TSI-54 board)

Note: It is not necessary to save the current menu settings before installing this software because no menu settings are affected.

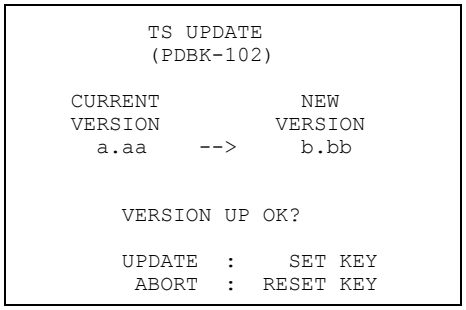
Caution: Do NOT turn off the power or remove the memory stick during the upgrade.
Do NOT upgrade the software with a disc inserted in the unit.
Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: If the menu screens are hidden, press the [DISPLAY] button to switch the LCD screen to TIME DATA display.

For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Use a PC to create the following folder structure on a memory stick:
   .\ MSSONY\PRO\XDCAM\PDWF70\
   Note: For a list of compatible memory stick types, refer to Section 1-23 'Memory Stick' of the respective Service Manual:
   - PDW-F30/F70/70MD Service Manual, Volume 1, Edition 1, Revision 2 (part number 9-968-227-03)
   - PDW-F75/75MD Service Manual, Volume 1, Edition 1, Revision 1 (part number 9-968-379-02)
2. Copy the data file 'F70TSPK.ROM' to the folder created in step 1.
3. Insert the memory stick into the memory stick slot at the rear of the main unit.
4. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
5. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
6. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.
7. Press the [↓] button several times until the TS version is displayed.
8. Press and hold down the [SHIFT] button and then press the [SET] button to display the TS UPDATE screen.



9. Confirm the new version is correct and then press the [SET] button. The version upgrade will start automatically.

   Caution: The upgrade will take approximately 5 minutes to complete and may appear to freeze at 0% or part way for several minutes. This is normal. Do NOT turn off the power or remove the memory stick until COMPLETE is displayed.

10. Wait until COMPLETE is displayed and then turn the main power OFF and ON.
11. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
12. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
13. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.
14. Press the [↓] button several times until the TS version is displayed.
15. Confirm the software version is correct.

4 PDBZ-E1500 : LINEAR EDIT OPTIONAL SOFTWARE

4.1 Applicable Model

The PDBZ-E1500 Linear Edit Optional Software can be installed in the following model:

- PDW-1500

4.2 Package Software

This software should be installed using the installation procedure described in Section 5.1, except that a valid install key must be entered. Install keys can be purchased from your local Sony dealer.

5 PDW-1500

5.1 Package Software

This procedure can only be used to upgrade from Package V1.180 or higher. If an earlier version is installed, contact your local Sony Service Centre.

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Verify software package V1.180 or higher is installed in the STATUS > SOFTWARE VERSION screen of the XDCAM web site, or from the MAINTENANCE > OTHERS > SOFTWARE VERSION menu. If an earlier version is installed, contact your local Sony Service Centre.

   Note: For instructions on how to access the XDCAM website, refer to the following section of the PDW-1500 e-Manual (part number 9-968-030-71):

   ```
   Main Menu
    + Service Overview
      + Others Information
        + XDCAM Web Site
          + XDCAM Web Site Overview
   ```

2. Save the current menu settings into one of the BANK memories as described in the following sections of the PDW-1500 Operation Manual, Edition 1, Revision 6 (part numbers 3-796-075-07 or 3-796-077-07).
   - Section 8-2-1 : Items in the Basic Setup Menu *(items B11~B13)*
   - Section 8-2-2 : Basic Menu Operation

3. Upgrade the software as described in the e-Manual using the file listed in Table 2 which correlates to the serial number of the disc recorder.

Table 2: PDW-1500 Software Package

Serial No.	File Name
10001 - 19999	garland-pdw-1500-xxxx.pkg
20001 and higher	garland-pdw-1500-s1-xxxx.pkg

xxxx = software version

Note: If an install key has not been supplied, leave the 'Software Install Key' box blank. The installation procedure is described under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Firmware Update
```

4. Confirm the software version in the STATUS > SOFTWARE VERSION screen of the XDCAM web site, or from the MAINTENANCE > OTHERS > SOFTWARE VERSION menu.

   Note: If the old version is displayed on the XDCAM web site, press F5 to refresh the browser window.

5. Restore the menu settings from the BANK memory as described in Sections 8-2-1 and 8-2-2 of the Operation Manual.

   Note: This process will automatically initialise the menu settings. If the default menu settings are preferred, they will need to be initialised as follows:

   a) Execute menu item MAINTENANCE > SETUP MAINTENANCE > RESET ALL SETUP.
   b) Turn the main power OFF and ON.
   c) Set the operation mode (525U / 525J / 625) as described in Section 8-2-2 of the Operation Manual.

6 PDW-510/510P/530/530P

6.1 BOOT Program V1.10

BOOT Program V1.10 is required when the MAIN program is upgraded to AT V1.51 or higher. This software upgrade provides support for memory sticks up to 2GB, including Memory Stick PRO.

Caution: If the AT software is upgraded to V1.51 or higher without upgrading the BOOT Program to V1.10, the unit may not operate correctly.

6.1.1 Installation Procedure

This procedure can only be used to upgrade a unit with Package V1.180 or higher. If an earlier version is installed, contact your local Sony Service Centre.

Caution: Do NOT turn off the power during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: The upgrade procedure for BOOT Program V1.10 is **different** to the procedure described under the following section of the PDW-510/510P/530/530P/539P e-Manual (part number 9-968-032-71):

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Software Update
       + Camera Software Update(AT-154 board)
```

1. Remove all memory sticks from both the MS-69 jig and the camcorder (if fitted).
2. Confirm the version on the ROM labels for IC9 and IC10 on the MS-69 jig is V1.10 or higher. If the version is lower than V1.10, replace both ROMs. Ensure the necessary antistatic precautions are taken when handling the ROMs.

   Note: The model PDW-510 is printed on the ROM label, but the jig can be used for PDW-510/510P/530/530P. It is also possible to use an MS-69A jig to upgrade the BOOT Program provided IC9 and IC10 are replaced using the ROMs listed in Table 3.
3. Set switch S1 on the MS-69 jig to the lower position, labelled position '1' .

   Caution: This setting is **different** to the procedure described in the e-Manual.
4. Turn the main power OFF.
5. Open the inside panel assembly as shown under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Others Information
     + Removing Exterior Parts
       + Opening/Closing Inside Panel
```

6. Connect the MS-69 jig to the AT-154 board as shown under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Software Update
       + Camera Software Update(AT-154 board)
```

7. Turn the main power ON.
8. The green lamp (D1) on the MS-69 jig will light up and then turn off several seconds later.
9. Wait until the green lamp D1 has turned off and then turn the main power OFF.
10. Disconnect the MS-69 jig.
11. Upgrade the MAIN program to AT V1.51 (or higher) as described in Section 6.2.

6.1.2 Parts Required

Table 3: Parts Required

Qty	Description	Part Number
1	MS-69 jig *	A-8347-484-B
1	IC 29F040-PDW510 MS9-V1.10 (IC9, MS-69 jig, BOOT V1.10, checksum: EA9B)	6-807-816-01
1	IC 29F040-PDW510 MS10-V1.10 (IC10, MS-69 jig, BOOT V1.10, checksum: D83E)	6-807-817-01

* Note: It is also possible to use an MS-69A jig (part number A-1356-823-A) to upgrade the BOOT Program provided IC9 and IC10 are replaced using the ROMs listed in Table 3.

6.2 AT Software (MAIN Program)

These procedures can only be used to upgrade a unit with Package V1.180 or higher. If an earlier version is installed, contact your local Sony Service Centre.

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

The internal temperature may rise because the fan inside the unit does not operate during the upgrade. The camcorder must be switched OFF and ON immediately after 'UPDATE COMPLETED' is displayed.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

6.2.1 Normal Procedure

1. Turn the main power ON.
2. Set the MENU switch from OFF to ON whilst pressing down the MENU knob to open the TOP MENU.
3. Select DIAGNOSIS > ROM VERSION 1 and confirm that PACKAGE V1.180 or higher is displayed. If an earlier version is installed, contact your local Sony Service Centre.
4. Use a PC to create the following folder structure on a memory stick:
   .\MSSONY\PRO\CAMERA\PDW530\

   Note: Units with AT V1.50 or lower can use only a 16, 32, 64 or 128MB standard memory stick or MagicGate memory stick. Memory Stick PRO is NOT supported.

   Units with AT V1.51 or higher can use all memory sticks with sizes between 16MB and 2GB (including Memory Stick PRO) provided the BOOT program has already been upgraded to V1.10 or higher. Refer to Section 6.1 for further details.

   Memory Stick DUO and Memory Stick Micro can also be used provided a suitable adaptor is used.

5. Copy the 'PDW530at.rom' file to the 'PDW530' sub-folder created in step 4.
6. Upgrade the software using a memory stick as described under the following section of the PDW-510/510P/530/530P/539P e-Manual (part number 9-968-032-71):

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Software Update
       + Camera Software Update(AT-154 board)
```

   Note: If 'FILE NOT FOUND' is continually displayed whilst attempting to upgrade the software, check that '?' is displayed to the left of D03. (If an arrow is displayed instead of '?', press the ROTARY ENCODER to toggle the display.) Next, re-insert the memory stick. Wait until 'MEMORYSTICK ACCESS' disappears from the viewfinder and then immediately press and hold in the ROTARY ENCODER until the software version is displayed.

   If the memory stick is larger than 128MB and it is not recognised, the BOOT Program may need to be upgraded to V1.10. Refer to Section 6.1 for further details.

7. Turn the main power OFF and ON.
8. Set the MENU switch from OFF to ON whilst pressing down the MENU knob to open the TOP MENU.
9. Confirm the software version in TOP MENU > DIAGNOSIS > ROM VERSION 1.

6.2.2 Forcible Procedure

This procedure should only be used if the procedure in Section 6.2.1 fails.

1. Perform steps 1 to 5 of Section 6.2.1.
2. Turn the main power OFF.
3. Insert the memory stick.
4. Turn the main power ON whilst holding down the REC START/STOP BUTTON and ROTARY ENCODER. The software update process will start automatically.
5. Wait until 'UPDATE COMPLETED' is displayed and then immediately perform steps 7 to 9 of Section 6.2.1.

6.3 Package Software (from V1.450 and higher) - upgrade by memory stick

This procedure can only be used to upgrade from Package V1.450 or higher. If an earlier version is installed, refer to Section 6.4.

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.
Do NOT upgrade the software with a disc inserted in the unit.
Do NOT upgrade the software unless the unit is powered from the mains.
Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Turn the main power ON.
2. Set the MENU switch from OFF to ON whilst pressing down the MENU knob to open the TOP MENU.
3. Select DIAGNOSIS > ROM VERSION 1 and confirm that PACKAGE V1.450 or higher is displayed. If an earlier version is installed, refer to Section 6.4.
4. Use a PC to create the following folder structure on a memory stick:
   .\MSSONY\PRO\CAMERA\PDW530\

   Note: Units with AT V1.50 or lower can use only a 16, 32, 64 or 128MB standard memory stick or MagicGate memory stick. Memory Stick PRO is NOT supported.

   Units with AT V1.51 or higher can use all memory sticks with sizes between 16MB and 2GB (including Memory Stick PRO) provided the BOOT program has already been upgraded to V1.10 or higher. Refer to Section 6.1 for further details.

   Memory Stick DUO and Memory Stick Micro can also be used provided a suitable adaptor is used.

5. Copy the appropriate PKG file in Table 4 to the 'PDW530' sub-folder created in step 4.

Table 4: Software Package Files for Upgrade by Memory Stick

Products	Serial No.	Original File Name
PDW-510/510P	40001 - 41999	wreath-510-xxxx.pkg
PDW-510/510P	42000 and higher 60000 and higher	wreath-510-s1-xxxx.pkg
PDW-530/530P	40001 - 41999	wreath-530-xxxx.pkg
PDW-530/530P	42000 and higher 60000 and higher	wreath-530-s1-xxxx.pkg

xxxx = software version

6. For PDW-510/510P, rename the PKG file to 'pdw510pk.rom'. For PDW-530/530P, rename the PKG file to 'pdw530pk.rom'.
7. Upgrade the software as described in the PDW-510/510P/530/530P/539P e-Manual (part number 9-968-032-71).

   Note: The installation procedure is described under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Software Update
       + VDR Software Update
```

   Note: If the memory stick is larger than 128MB and it is not recognised, the BOOT Program may need to be upgraded to V1.10. Refer to Section 6.1 for further details.

8. Set the MENU switch from OFF to ON whilst pressing down the MENU knob to open the TOP MENU.
9. Confirm the software version in TOP MENU > DIAGNOSIS > ROM VERSION 1.
10. Configure the DRIVE Hours Meter as described in Section 6.5.

6.4 Package Software - upgrade by Ethernet (via CBK-NC01 Network Adapter)

This procedure can only be used to upgrade from Package V1.180 or higher. If an earlier version is installed, contact your local Sony Service Centre.

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.
Do NOT upgrade the software with a disc inserted in the unit.
Do NOT upgrade the software unless the unit is powered from the mains.
Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: This procedure can only be used if a CBK-NC01 Network Adapter is fitted.
For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Verify software package V1.180 or higher is installed in the STATUS > SOFTWARE VERSION screen of the XDCAM web site. If an earlier version is installed, contact your local Sony Service Centre.
   Note: For instructions on how to access the XDCAM website, refer to the following section of the PDW-510/510P/530/530P/539P e-Manual (part number 9-968-032-71):

```
Main Menu
 + Service Overview
   + Others Information
     + XDCAM Web Site
       + XDCAM Web Site Overview
```

2. Upgrade the software as described in the e-Manual using the file listed in Table 5 which correlates to the serial number of the camcorder.

Table 5: Software Package Files for Upgrade by Ethernet

Products	Serial No.	File Name
PDW-510/510P	40001-41999	garland-pdw-510-xxxx.pkg
PDW-510/510P	42000 and higher 60000 and higher	garland-pdw-510-s1-xxxx.pkg
PDW-530/530P	40001-41999	garland-pdw-530-xxxx.pkg
PDW-530/530P	42000 and higher 60000 and higher	garland-pdw-530-s1-xxxx.pkg

xxxx = software version

Note: If an install key has not been supplied, leave the 'Software Install Key' box blank. The installation procedure is described under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Software Update
       + VDR Software Update(via Network:
         only when CBK-NC01 is installed)
```

3. Confirm the software version from the STATUS > SOFTWARE VERSION screen of the XDCAM web site.
   Note: If the old version is displayed on the XDCAM web site, press F5 to refresh the browser window.

4. Configure the DRIVE Hours Meter as described in Section 6.5.

6.5 Configuration of DRIVE Hours Meter

Note: This procedure only applies to PDW-510/510P/530/530P with the following serial number ranges:

- Serial No. 42000 and higher
- Serial No. 60000 and higher

1. Turn the power OFF.
2. Set DIP switch S202-1 on the AT-154 board to ON.
3. Turn the power ON.
4. Open the SERVICE menu and select S00 CONTENTS > 20.VDR MAINTENANCE > S20.DRIVE MAINTE.
5. When 'MAINTENANCE START ?' is displayed, move the cursor to YES and then press the menu knob.
6. Select OTHERS.
7. Rotate the menu knob to scroll down to the last item on the page. Continue to rotate the menu knob until MEMORY SUPPORT is displayed and then select it.
8. Rotate the menu knob to scroll down and select MAINTENANCE HOURS.
9. Select CONVERT HOURS and execute according to the instruction in the menu.
10. Select MAINTENANCE HOURS and confirm that CONVERT HOURS is not displayed.
    Note: Once the CONVERT HOURS menu has been executed, it is not displayed again.

7 PDW-700

These procedures can only be used to upgrade a unit with Package V1.2 or higher. If an earlier version is installed, contact your local Sony Service Centre.

7.1 Package Software - upgrade by USB stick

Caution: Do NOT turn off the power or remove the USB stick during the upgrade.
Do NOT upgrade the software with a disc inserted in the unit.
Do NOT upgrade the software unless the unit is powered from the mains.
Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

When swapping discs between the PDW-700 and other XDCAM models in the PDW-series, ensure that all models have been upgraded to their latest respective software versions.

1. Open TOP MENU > DIAGNOSIS > ROM VERSION 1 and confirm that software package V1.2 or higher is installed. If an earlier version is installed, contact your local Sony Service Centre.
2. Perform FILE ALL SAVE to save the current menu settings to a memory stick as described in Section 4-7 'FILE Menu' of the PDW-700 Maintenance Manual, Volume 1, Edition 1 (part number 9-968-417-01).
3. Upgrade the software as described in Section 1-11-2 'Firmware Update Using the USB Memory' of the Maintenance Manual.

4. Confirm the software version from the TOP MENU > DIAGNOSIS > ROM VERSION 1 page.
5. Perform FILE ALL LOAD to restore the current menu settings from the memory stick as described in Section 4-7 'FILE Menu' of the Maintenance Manual.

7.2 Package Software - upgrade by Ethernet

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

When swapping discs between the PDW-700 and other XDCAM models in the PDW-series, ensure that all models have been upgraded to their latest respective software versions.

1. Open TOP MENU > DIAGNOSIS > ROM VERSION 1 and confirm that software package V1.2 or higher is installed. If an earlier version is installed, contact your local Sony Service Centre.
2. Perform FILE ALL SAVE to save the current menu settings to a memory stick as described in Section 4-7 'FILE Menu' of the PDW-700 Maintenance Manual, Volume 1, Edition 1 (part number 9-968-417-01).
3. Upgrade the software as described in Section 2-3-1 'Software Update' of the Maintenance Manual.
4. Confirm the software version as described in Section 2-2-3 'Software Version' of the Maintenance Manual, or from the TOP MENU > DIAGNOSIS > ROM VERSION 1 page.
5. Perform FILE ALL LOAD to restore the current menu settings from the memory stick as described in Section 4-7 'FILE Menu' of the Maintenance Manual.

8 PDW-D1

8.1 PC Utility Program (Windows)

1. Install the latest PDZ-1 Proxy Browser and FAM Driver software.
2. Decompress the ZIP file to a temporary folder on the PC.
3. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

8.2 MAC Utility Program (Apple Mac)

1. Install the latest PDZK-P1 XDCAM Transfer + FAM Driver software.
2. Decompress the ZIP file to a temporary folder on the Apple Mac computer.
3. Open the disk image (.dmg) file.
4. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

8.3 Package Software

Caution: Do NOT turn off the power or disconnect the i.Link cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Note: For full compatibility, it is recommended that the latest version of the PC/MAC Utility Program is installed.

1. Upgrade the software as described in the PDW-D1 e-Manual (part number 9-968-069-71).

   Note: If an installation key has not been supplied, leave the 'Installation Key' box blank. The installation procedure is described under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Firmware Update
```

2. Confirm the software version in the DEVICE INFORMATION > VERSION screen of the PC/MAC Utility Program.

9 PDW-F30/F70/70MD

9.1 Package Software

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)
- NET software for the PDBK-101 Network Board (if fitted)
- Package software (TSI-54 board) for the PDBK-102 TS Input/Output Board (if fitted)

If the menu screens are hidden, press the [DISPLAY] button to switch the LCD screen to TIME DATA display.

1. Save the current menu settings as described in Section 4-3-2 'SAVE MENU DATA' of the PDW-F30/F70/70MD Service Manual, Volume 1, 1st Edition, Revision 2 (part number 9-968-227-03).

   Note: Alternatively, the current menu settings can be stored in one of the three BANK memories as described in Chapter 6 'Menus' of the Operation Manual. This feature is not available for the PDW-70MD.

2. Use a PC to create the following folder structure on a memory stick:
   .\ MSSONY\PRO\XDCAM\PDWF70\

   Note: For a list of compatible memory stick types, refer to Section 1-23 'Memory Stick' of the Service Manual.

3. Copy the package data file to the folder created in step 2.
4. Insert the memory stick into the memory stick slot at the rear of the main unit.
5. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
6. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
7. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.
8. Press and hold down the [SHIFT] button and then press the [SET] button to display the PACKAGE UPDATE screen.

```
        PACKAGE UPDATE


    CURRENT           NEW
    VERSION         VERSION
      a.aa    -->     b.bb


       VERSION UP OK?

       UPDATE  :    SET KEY
        ABORT  :  RESET KEY
```

9. Confirm the new version is correct and then press the [SET] button. The version upgrade will start automatically.

   Caution: The upgrade will take approximately 14 minutes to complete and may appear to freeze part way for several minutes. This is normal. Do NOT turn off the power or remove the memory stick until COMPLETE is displayed.

10. Wait until COMPLETE is displayed and then turn the main power OFF and ON.
11. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
12. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
13. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.
14. Confirm the software version is correct.
15. Restore the menu settings as described in Section 4-3-3 'LOAD MENU DATA' of the Service Manual.

    Note: If the menu settings were stored in one of the BANK memories, restore the menu settings as described in Chapter 6 'Menus' of the Operation Manual.

10 PDW-F75/75MD

10.1 Package Software

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)
- NET software for the PDBK-101 Network Board (if fitted)
- Package software for the PDBK-102 TS Input/Output Board (if fitted)

If the menu screens are hidden, press the [DISPLAY] button to switch the LCD screen to TIME DATA display.

1. Save the current menu settings as described in Section 4-3-2 'SAVE MENU DATA' of the PDW-F75/75MD Service Manual, Volume 1, 1st Edition, Revision 1 (part number 9-968-379-02).

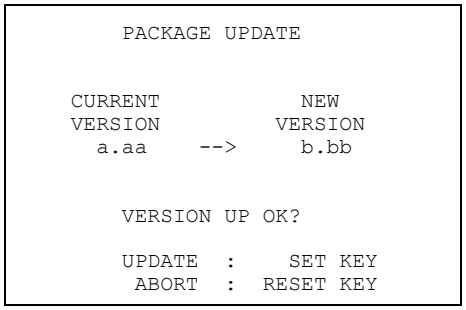
   Note: Alternatively, the current menu settings can be stored in one of the three BANK memories as described in Chapter 6 'Menus' of the Operation Manual. This feature is not available for the PDW-75MD.

2. Use a PC to create the following folder structure on a memory stick:
   .\ MSSONY\PRO\XDCAM\PDWF70\

   Note: For a list of compatible memory stick types, refer to Section 1-23 'Memory Stick' of the Service Manual.

3. Copy the package data file to the folder created in step 2.
4. Insert the memory stick into the memory stick slot at the rear of the main unit.
5. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
6. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
7. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.

8. Press and hold down the [SHIFT] button and then press the [SET] button to display the PACKAGE UPDATE screen.



9. Confirm the new version is correct and then press the [SET] button. The version upgrade will start automatically.

   Caution: The upgrade will take approximately 14 minutes to complete and may appear to freeze part way for several minutes. This is normal. Do NOT turn off the power or remove the memory stick until COMPLETE is displayed.

10. Wait until COMPLETE is displayed and then turn the main power OFF and ON.
11. Press and hold down the [←] button and then press the [MENU] button to open the MAINTENANCE MENU.
12. Use the [↑] / [↓] buttons to select OTHERS and then press the [→] button.
13. Use the [↑] / [↓] buttons to select SOFTWARE VERSION and then press the [→] button.
14. Confirm the software version is correct.
15. Restore the menu settings as described in Section 4-3-3 'LOAD MENU DATA' of the Service Manual.

    Note: If the menu settings were stored in one of the BANK memories, restore the menu settings as described in Chapter 6 'Menus' of the Operation Manual.

11 PDW-F330/F350

11.1 BOOT Program V1.54 and AT (MAIN Program)

BOOT Program V1.54 is required when the MAIN program is upgraded to AT V1.54 or higher. This software upgrade provides support for memory sticks up to 2GB, including Memory Stick PRO.

Caution: If the AT software is upgraded to V1.54 or higher without upgrading the BOOT Program to V1.54, the unit may not operate correctly.

11.1.1 Installation Procedure

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: The following procedure updates both the BOOT program and AT software. A separate procedure for updating the AT, Package and FRESH software is described in Section 11.2.

1. Use a PC to create the following folder structure on a memory stick:
   .\MSSONY\PRO\CAMERA\PDWF350\

2. Copy the data files 'BOOT.ROM' and 'F350AT.ROM' to the folder created in step 1.

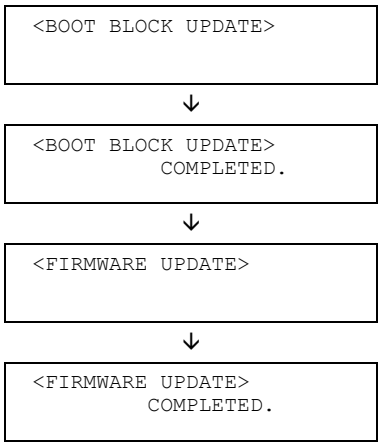
   Note: Units with AT V1.53 or lower can use only a 16, 32, 64 or 128MB standard memory stick or MagicGate memory stick. Memory Stick PRO is NOT supported.

   Units with AT V1.54 or higher can use all memory sticks with sizes between 16MB and 2GB (including Memory Stick PRO) provided the BOOT program has already been upgraded to V1.54 or higher. Refer to Section 11.1 for further details.

   Memory Stick DUO and Memory Stick Micro can also be used provided a suitable adaptor is used.

3. Insert the memory stick into the memory stick slot of the MS-69A jig.
4. Set switch S1 to position '0' .
5. Turn the main power OFF.
6. Open the inside panel as described in Section 2-7-3 'Inside Panel' of the PDW-F330/F350 Service Manual, Volume 1, 1st Edition (part number 9-968-253-01).
7. Connect the MS-69A jig to CN11 on the DCP-37/37A board (Side A, location D3).
8. Turn the main power ON.
9. The version upgrade will start automatically and the following sequence of messages will be displayed at the top of the LCD screen.

   Note: If the memory stick is larger than 128MB and it is not recognised, the BOOT Program may need to be upgraded to V1.54. Refer to Section 11.1 for further details.



10. Wait until FIRMWARE UPDATE has COMPLETED and then turn the main power OFF.
11. Disconnect the MS-69A jig.
12. Close the inside panel.

11.1.2 Parts Required

Table 6: Parts Required

Qty	Description	Part Number
1	MS-69A jig	A-1356-823-A

11.2 AT, Package and FRESH Software

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Upgrade the software as described in Section 2-12 'Memory Stick (AT, PACKAGE, FRESH)' of the PDW-F330/F350 Service Manual, Volume 1, 1st Edition (part number 9-968-253-01).

   Note: Units with AT V1.53 or lower can use only a 16, 32, 64 or 128MB standard memory stick or MagicGate memory stick. Memory Stick PRO is NOT supported.

   Units with AT V1.54 or higher can use all memory sticks with sizes between 16MB and 2GB (including Memory Stick PRO) provided the BOOT program has already been upgraded to V1.54 or higher. Refer to Section 11.1 for further details.

   If the memory stick is larger than 128MB and it is not recognised, the BOOT Program may need to be upgraded to V1.54. Refer to Section 11.1 for further details.

   Memory Stick DUO and Memory Stick Micro can also be used provided a suitable adaptor is used.

2. Confirm the software version as described in Section 2-11-2 'ROM Version Check' of the Service Manual.

12 PDW-F335/F355

12.1 AT + Package + FRESH + COPRO + CLEAN Software

Note: This procedure can be used to upgrade the following software / product combinations:

- AT PDW-F335/F355
- Package PDW-F335/F355
- FRESH PDW-F355
- COPRO PDW-F355
- CLEAN PDW-F355

For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

Caution: Do NOT turn off the power or remove the memory stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

1. Upgrade the software as described in Section 2-12 'Memory Stick (AT, PACKAGE, FRESH, COPRO, CLEAN)' of the PDW-F335/F355 Service Manual, Volume 1, 1st Edition, Revision 1 (part number 9-968-386-02).

   Note: Use a 16, 32, 64 or 128MB standard memory stick or MagicGate memory stick, or Memory Stick PRO up to 2GB.

   Memory Stick DUO and Memory Stick Micro can also be used provided a suitable adaptor is used.

2. Confirm the software version as described in Section 2-11-2 'ROM Version Check' of the Service Manual.
3. Perform a FACTORY PRESET as described in Section 4-2 'SERVICE Menu' of the Service Manual.

13 PDW-HD1500

These procedures can only be used to upgrade a unit with Package V1.2 or higher. If an earlier version is installed, contact your local Sony Service Centre.

13.1 Package Software - upgrade by USB stick

Caution: Do NOT turn off the power or remove the USB stick during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

When swapping discs between the PDW- HD1500 and other XDCAM models in the PDW-series, ensure that all models have been upgraded to their latest respective software versions.

1. Open MAINTENANCE MENU > M30: SOFTWARE VERSION and confirm that software package V1.2 or higher is installed. If an earlier version is installed, contact your local Sony Service Centre.
2. Save the current menu settings into one of the BANK memories as described in the following section of the PDW-HD1500 Operation Manual (part numbers 3-282-299-01 or 3-282-295-03).
   - Section 7 'Menus' > 'Setup Menu' > 'Basic Setup Menu' *(items B11~B13)*
3. Upgrade the software as described in Section 1-10 'Firmware Update' of the PDW-HD1500 Maintenance Manual, Volume 1, Edition 1 (part number 9-968-423-01).
4. Confirm the software version in the MAINTENANCE MENU > M30: SOFTWARE VERSION.
5. Restore the menu settings from the BANK memory as described in the following section of the Operation Manual:
   - Section 7 'Menus' > 'Setup Menu' > 'Basic Setup Menu' *(items B01~B13)*

13.2 Package Software - upgrade by Ethernet

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

When swapping discs between the PDW-HD1500 and other XDCAM models in the PDW-series, ensure that all models have been upgraded to their latest respective software versions.

1. Open MAINTENANCE MENU > M30: SOFTWARE VERSION and confirm that software package V1.2 or higher is installed. If an earlier version is installed, contact your local Sony Service Centre.
2. Save the current menu settings into one of the BANK memories as described in the following section of the PDW-HD1500 Operation Manual (part numbers 3-282-299-01 or 3-282-295-03).
   - Section 7 'Menus' > 'Setup Menu' > 'Basic Setup Menu' *(items B11~B13)*
3. Upgrade the software as described in Section 3-3-1 'Software Update' of the PDW-HD1500 Maintenance Manual, Volume 1, Edition 1 (part number 9-968-423-01).
4. Confirm the software version as described in Section 3-2-3 'Software Version' of the Maintenance Manual, or from the MAINTENANCE MENU > M30: SOFTWARE VERSION.
5. Restore the menu settings from the BANK memory as described in the following section of the Operation Manual:
   - Section 7 'Menus' > 'Setup Menu' > 'Basic Setup Menu' *(items B01~B13)*

14 PDW-R1

14.1 Package Software

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.

Do NOT upgrade the software with a disc inserted in the unit.

Do NOT upgrade the software unless the unit is powered from the mains.

Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Upgrade the software as described in Section 1-16 'Firmware Update' of the PDW-R1 Maintenance Manual, Volume 1, 1st Edition, Revision 2 (part number 9-968-264-03).

   Note: If an installation key has not been supplied, leave the 'Installation Key' box blank.

2. Confirm the software version as described in the Maintenance Manual.

15 PDW-U1

15.1 U1 Utility / Sony XDCAM Driver Software (Windows)

Caution: Do not install this software unless the computer meets the minimum requirements specified in Section 1-3-2 'System Requirements' of the Operation Manual (part numbers 3-281-393-11 or 4-131-292-01).

Note: For full compatibility, it is recommended that the latest version of PDZ-1 Proxy Browser + FAM Driver is installed.

1. If an old version of the U1 Utility has been installed, use 'Add or Remove Programs' from the Control Panel to remove 'Sony XDCAM Drive Software', and then restart the PC.

   Note: The Windows version of the U1 Utility is also referred to as 'Sony XDCAM Drive Software'.

2. Run 'Setup.exe' from the 'XDCAM Drive Software' sub-folder.
3. Follow the on-screen instructions.

   Caution: The computer must be rebooted after installing the U1 Utility.

15.2 U1 Utility (Apple Mac)

Caution: Do not install this software unless the computer meets the minimum requirements specified in Section 1-3-2 'System Requirements' of the Operation Manual (part numbers 3-281-393-11 or 4-131-292-01).

Note: For full compatibility, it is recommended that the latest version of PDZK-P1 XDCAM Transfer + FAM Driver is installed.

1. If an old version of the U1 Utility has been installed, open Finder > Applications, select 'U1 Utility' and drag it to Trash.
2. Double click the 'U1Utility.pkg' file from the 'U1_Utility' sub-folder.

   Follow the on-screen instructions.

15.3 Firmware Package

Caution: Do NOT turn off the power or disconnect the USB cable during the upgrade.
Do NOT upgrade the firmware with a disc inserted in the unit.

1. Install the software as described in Section 1-14 'Firmware Update' of the PDW-U1 Maintenance Manual, Volume 1, Edition 1, Revision 2 (part number 9-968-377-03).
   Note: The PDW-U1 is upgraded from the U1 Utility via the USB port. The Firmware Package software is already embedded inside the U1 Utility software, which is available for both Windows and Apple Mac. If an old version of the U1 Utility has been installed, it must be uninstalled before installing the latest version. Refer to Sections 15.1 and 15.2 for further details.
2. Confirm the software version in DRIVE MAINTENANCE > OTHERS > VERSION.

15.4 PDW Terminal Service Tool (Windows)

Note: For full compatibility, it is recommended that the latest version of PDZ-1 Proxy Browser + FAM Driver is installed.

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in Section 4-2 'Activating MAINTENANCE MENU' of the PDW-U1 Maintenance Manual, Volume 1, Edition 1, Revision 2 (part number 9-968-377-03).
   Note: This software is supplied as a ZIP file, not an LZH file as stated in the Service Manual.

16 PDW-V1

16.1 Package Software

This procedure can only be used to upgrade from Package V1.180 or higher. If an earlier version is installed, contact your local Sony Service Centre.

Caution: Do NOT turn off the power or disconnect the network cable during the upgrade.
Do NOT upgrade the software with a disc inserted in the unit.
Do NOT upgrade the software unless the unit is powered from the mains.
Disconnect the i.Link, audio and headphone cables before upgrading the software. Noise may be audible during the upgrade; this is normal.

Note: For full compatibility, it is recommended that the latest versions of the following software are installed:

- PDZ-1 Proxy Browser + FAM Driver (Windows)
- PDZK-P1 XDCAM Transfer + FAM Driver (Apple Mac)

1. Verify software package V1.180 or higher is installed in the STATUS > SOFTWARE VERSION screen of the XDCAM web site, or from the MAINTENANCE > OTHERS > SOFTWARE VERSION menu. If an earlier version is installed, contact your local Sony Service Centre.
   Note: For instructions on how to access the XDCAM website, refer to the following section of the PDW-V1 e-Manual (part number 9-968-029-71):

```
Main Menu
 + Service Overview
   + Others Information
     + XDCAM Web Site
       + XDCAM Web Site Overview
```

2. Save the current menu settings into one of the BANK memories as described in the following sections of the PDW-V1 Operation Manual (part numbers 3-796-066-07 or 3-796-068-07).
   - Section 7-2-1 : Basic Setup Menu *(items B11~B13)*
   - Section 7-2-2 : Basic Menu Operation

3. Upgrade the software as described in the e-Manual with the following exceptions:
   - Use a crossover network cable only.
   - If an install key has not been supplied, leave the 'Software Install Key' box blank.

   Note: The installation procedure is described under the following section of the e-Manual:

```
Main Menu
 + Service Overview
   + Firmware/Software
     + Firmware Update
```

4. Restore the menu settings from the BANK memory as described in Sections 7-2-1 and 7-2-2 of the Operation Manual.

   Note: This process will automatically initialise the menu settings. If the default menu settings are preferred, they will need to be initialised as follows:

   a) Execute menu item MAINTENANCE > SETUP MAINTENANCE > RESET ALL SETUP.
   b) Turn the main power OFF and ON.
   c) Set the operation mode (525U / 525J / 625) as described in Section 7-2-2 of the Operation Manual.

5. Confirm the software version in the STATUS > SOFTWARE VERSION screen of the XDCAM web site, or from the MAINTENANCE > OTHERS > SOFTWARE VERSION menu.

17 PDZ-1

17.1 Proxy Browser + FAM Driver (Windows)

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

18 PDZK-P1

18.1 XDCAM Transfer Software + FAM Driver (Apple Mac)

1. Decompress the ZIP file to a temporary folder on the Apple Mac computer.
2. Open the disk image (.dmg) file.
3. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

19 PDZ-VX10

19.1 XDCAM Viewer Software (Windows)

Notes: PDZ VX10 XDCAM Viewer is for Windows XP SP2 or higher only.

PDZ VX10 XDCAM Viewer will no longer operate correctly if you subsequently install the PDZ-1 Proxy Browsing Software on the same computer. Install PDZ-1 first, or reinstall XDCAM Viewer after installing PDZ-1.

1. Decompress the ZIP file to a temporary folder on the PC.
2. Close down all applications.
3. Click the Windows [Start] button, and then click [Run...].
4. Click the [Browse] button, select the XDCAM Viewer 'setup.exe' file and then click [OK].
5. Follow the on the screen instructions.

20 PMW-EX1/EX3/EX30

20.1 Binary Package Loader (Windows)

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

20.2 Binary Package

Caution: Do NOT turn off the power or disconnect the USB cable during the upgrade.
Do NOT upgrade the software unless the unit is powered from the mains.

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in the ReadMe file.

20.3 SxS PRO™ Device Driver (Windows)

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

20.4 SxS PRO™ Device Driver (Apple Mac)

1. Decompress the ZIP file to a temporary folder on the Apple Mac computer.
2. Open the disk image (.dmg) file.
3. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

21 XDZ-P1

21.1 XDCAM EX Clip Browser (Windows)

1. Decompress the ZIP file to a temporary folder on the PC.
2. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.

21.2 XDCAM EX Clip Browser (Apple Mac)

1. Decompress the ZIP file to a temporary folder on the Apple Mac computer.
2. Open the disk image (.dmg) file.
3. Install the software as described in the ReadMe file.

   Caution: Do not install this software unless the computer meets the minimum requirements specified in the ReadMe file.